

Historic, Archive Document

Do not assume content reflects current
scientific knowledge, policies, or practices.



A464.4
C762

AD-33 Bookplate
(1-63)

NATIONAL

**A
G
R
I
C
U
L
T
U
R
A
L**



LIBRARY

**95044 A464.4
C762**

UNITED STATES DEPARTMENT OF AGRICULTURE
 Consumer & Marketing Service
 Grain Division
 Federal Center Building
 Hyattsville, Maryland 20781

August 1965

REQUIREMENTS UNDER THE FEDERAL SEED ACT FOR LABELING TREATED SEED

DEFINITION OF TREATED SEED

The term "treated" means given an application of a substance or subjected to a process designed to reduce, control, or repel disease organisms, insects, or other pests which attack seeds or seedlings growing therefrom.

INFORMATION REQUIRED TO BE SHOWN ON THE LABEL

A word or statement in type no smaller than 8 points indicating that the seed has been treated.

The commonly accepted coined, chemical (generic), or abbreviated chemical name or a description of any process (other than application of a substance) used in such treatment in type no smaller than 8 points.

A caution statement if the substance used in such treatment in the amount remaining with the seed is harmful to humans or other vertebrate animals.

1. Seed treated with a mercurial or similarly toxic substance, if any amount remains with the seed, shall be labeled to show a statement such as "Poison," "Poison treated," or "Treated with Poison." The word "Poison" shall be in type no smaller than 8 points and shall be in red letters on a distinctly contrasting background. In addition, the label shall show a representation of a skull and cross bones at least twice the size of the type used for the name of the substance and the statement indicating that the seed has been treated.
2. Seed treated with other harmful substances (other than mercurials or similarly toxic substances), if the amount remaining with the seed is harmful to humans or other vertebrate animals, shall be labeled to show a caution statement, in type no smaller than 8 points, such as "Do not use for food, feed or oil," except;
 - a. Seed treated with substances other than mercurials or similarly toxic substances and in containers of 4 ounces or less need not be labeled to show the caution statement; and,

U. S. DEPT. OF AGR.
 NATIONAL AGRICULTURE

NOV 30 1965

C & R-PREP.

- b. The following substances shall not be deemed harmful if present at a rate less than the number of parts per million indicated: Allethrin, 2 ppm; Malathion, 8 ppm; Methoxy-chlor, 2 ppm; Piperonyl butoxide, 8 ppm on oat and sorghum and 20 ppm on all other seeds; and Pyrethrins, 1 ppm on oat and sorghum and 3 ppm on all other seeds.

NAMES OF SUBSTANCES

The attached list contains the names of many of the substances that may be used for treating seeds. No recommendation of the products is implied and no discrimination is intended. The first part contains the chemical names arranged in alphabetical order accompanied by abbreviated chemical names, commonly accepted coined names, and proprietary names. The second part shows proprietary names in alphabetical order accompanied by chemical, abbreviated chemical, or commonly accepted coined name, one of which is required to be shown on the labels of seed treated therewith. There may be additional proprietary names for these substances. The proprietary names may be shown on the labels as additional information, provided they are not misleading.

FORM OF LABEL

The information required for treated seed may be shown on the same label as used for other information (purity, germination, etc.) required under the Federal Seed Act, on a separate label, or on the container.

The following proposed forms of labeling illustrate minimum labeling requirements under the Federal Seed Act. Additional information may be shown, such as the rate of application, antidotes, specific purpose of treatment, etc., provided such information is not false or misleading.

Mercurials or similarly
toxic substances

Treated with (NAME OF SUBSTANCE) POISON (in red) (Skull and Crossbones)
--

Proprietary name not associated
with the required labeling

Less harmful substances

Treated with (NAME OF SUBSTANCE) Do not use for food feed, or oil
--

Proprietary name associated
with the required labeling

XYZ DUST This seed treated with (NAME OF SUBSTANCE) Do not use for food, feed, or oil
--

This seed treated with NAME OF SUBSTANCE (XYZ DUST) Do not use for food, feed, or oil
--

<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>	<u>PROPRIETARY NAMES</u>
*Anilinocadmium dilactate & Phenyl mercury formamide (See Phenylamino cadmium dilactate and Phenyl mercury formamide)			
Benzene hexachloride (Technical)	BHC		
Benzene hexachloride Gamma Isomer or 1,2,3,4,5,6-hexachlorocyclohexane Gamma Isomer		LINDANE	Abol Isotox 75 Isotox 50 Paste Sure Death Brand Seed Treater
*LINDANE & Ethyl mercury chloride & Phenyl mercury acetate			Mergamma C
LINDANE & Hexachlorobenzene			Dual Trete
*LINDANE & Ethyl mercuric p-toluene sulfonanilide			Chlor-O-San
*LINDANE & THIRAM			Gam-O-San
*LINDANE & Phenyl mercury urea			Mergamma
Carbon tetrachloride, piperonyl butoxide, and pyrethrins			Douglas tetrakote
Carbon tetrachloride, MALATHION, piperonyl butoxide and pyrethrins			Douglas Protectkote Douglas Grainkote
*Chloromethoxypropyl mercuric acetate			Quicksan-C20 Parson's Seed Saver Liquid Ready Mix Parson's Seed Saver Slurry Concentrate
*Chlorinated camphene		TOXAPHENE	

<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>	<u>PROPRIETARY NAMES</u>
Copper carbonate			Corona Coppercarb No. 20 Kop-Karb
*Copper resinate & Phenyl mercury salicylate			
Copper sulphate			
Cuprous oxide			Kuprite Mission Brand Yellow Cupricide
Dichloro diphenyl trichloroethane or 2,2 bis (p-chlorophenyl)-1,1,1-trichloroethane or 1,1,1-trichloro-2,2-bis (p-chlorophenyl) ethane	DDT		
2,3-Dichloro-1, 4-naphthoquinone		DICHLONE	Phygon
*O,O-Diethyl-O-S-2-ethyl mercaptoethyl thiophosphate		DEMETON	
*O,O-Diethyl S-(ethylthiomethyl) phosphorodithioate		PHORATE	Thimet
*O,O-Diethyl S-2-(ethylthio) ethyl phosphorodithioate			
*O,O-Diethyl-O-(isopropyl-4-methyl-6- pyrimidyl) thiophosphate			Diazinone
*O,O-Diethyl-O-p-nitrophenyl phosphorothioate		PARATHION	
*p-Diemthylaminobenzenediazo sodium sulfonate			Dexon
O,O-Dimethyl dithiophosphate of diethyl mercaptosuccinate		MALATHION	

<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>	<u>PROPRIETARY NAMES</u>
*Ethyl mercury acetate & phenyl mercury acetate			Setrete -Fortified Setrete -Mist
*Ethyl mercury chloride			Ceresan Red 2%
*Ethyl mercury chloride & phenyl mercury acetate			Agrox C
*Ethyl mercury chloride & CAPTAN			Fasco Peanut Seed Treater 3-2 Ortho Peanut Seed Treater
*Ethyl mercuric 2,3-dihydroxypropylmercaptide & Ethyl mercury acetate			Ceresan
*Ethyl mercury phosphate			
*N-Ethylmercuri-1,2,3,6-tetrahydro-3, 6-endomethano-3,4,5,6,7,7-hexachlorophthalimide or 1,4,5,6,7,7-hexachloro-N-(ethylmercuri) bicyclo (2,2,1) hept 5 ene-2,3-dicarbomixide			Emmi
*Ethyl mercury p-toluene sulfonanilide or N-(ethylmercuri)-p-toluene sulfonanilide			Ceresan M Ceresan M-DB
Formaldehyde		FORMALDEHYDE	
Formaldehyde & phenyl			Smut-Off
*Hexachloro epoxy octahydro endo exo dimethano- naphthalene or 1,2,3,4,10-10-hexachloro-6-7 epoxy -1,4,4a,5,6,7,8,8a-octahydro-1,4-endo exo- 4,8-dimethanonaphthalene		DIELDRIN	
*DIELDRIN & Pentachlorophenol			Parson's liquid B-59 Seed Bean Protectant

<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>	<u>PROPRIETARY NAMES</u>
*Ethyl mercury acetate & phenyl mercury acetate			Setrete-Fortified Setrete-Mist
*Ethyl mercury chloride			Ceresan Red 2%
*Ethyl mercury chloride & phenyl mercury acetate			Agrox C
*Ethyl mercury chloride & CAPTAN			Fasco Peanut Seed Treater 3-2 Ortho Peanut Seed Treater
*Ethyl mercuric 2,3-dihydroxypropylmercaptide & Ethyl mercury acetate			Ceresan
*Ethyl mercury phosphate			
*N-Ethylmercuri-1,2,3,6-tetrahydro-3,6-endomethano-3,4,5,6,7,7-hexachlorophthalimide or 1,4,5,6,7,7-hexachloro-N-(ethylmercuri) bicyclo (2,2,1) hept 5 ene-2,3-dicarbomixide			Emmi
*Ethyl mercury p-toluene sulfonanilide or N-(ethylmercuri)-p-toluene sulfonanilide			Ceresan M Ceresan M-DB
Formaldehyde		FORMALDEHYDE	
Formaldehyde & phenyl			Smut-Off
*Hexachloro epoxy octahydro endo exo dimethano-naphthalene or 1,2,3,4,10-10-hexachloro-6-7 epoxy -1,4,4a,5,6,7,8,8a-octahydro-1,4-endo exo-4,8-dimethanonaphthalene		DIELDRIN	
*DIELDRIN & Pentachlorophenol			Parson's liquid B-59 Seed Bean Protectant

<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>	<u>PROPRIETARY NAMES</u>
*Hexachloro hexahydro-1,4-endo exo, 8-dimethanonaphthalene	HHDN	ALDRIN	Drinox A-44 Mersect Wireworm Killer Pearson's Seed Saver Seedrin
*ALDRIN & HCB			Dual-Purpose Bunt-No-More
*ALDRIN & Methyl mercury pentachlorophenolate			Merlane Dust
*ALDRIN & Methyl mercury dicyandiamide			Panodrin A-13
*Hydroxymercurichlorophenol or 2-Chloro-4- (hydroxymercuri) phenol			Semesan
*Hydroxymercurinitrophenol			
*Hydroxymercurinitrophenol & Hydroxymercurichlorophenol			Semesan Bel S
Manganous ethylene bisdithiocarbamate		MANEB	
*Mercuric chloride		CORROSIVE SUBLIMATE	
*Mercurous chloride			Calomel
*Mercury pentanedione			
*Methoxy ethyl mercury acetate			Mema
p-Methoxyphenyl trichloroethane or 2,2-(p-methoxy- phenyl)-1,1,1-trichloroethane or 1,1,1-trich- loro-2,2-bis(p-methoxyphenyl) ethane		METHOXYCHLOR	

<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>	<u>PROPRIETARY NAMES</u>
*Methyl mercury dicyandiamide or cyano (methymercuri) guanidine			Agrosol Panogen 15, 25, 42, or PX
*Methyl mercury dihydroxypropylmercaptide & ethyl mercury acetate			Liqui-San "10" L Liqui-San Concentrate
*Methyl mercury dihydroxypropylmercaptide & methyl mercury acetate			Ceresan L
*Methyl mercury hydroxide			
*Methyl mercury 8-hydroxyquinolate			Ortho IM Seed Protectant Metasol MMH
*Methyl mercury nitrile or methyl mercury cyanide			Chipcote 25 Chipcote 75
*Methyl mercury pentachlorophenolate			San Seed Disinfectant
1,2,4,5,6,7,8,8a-octachloro-4,7, methano- 3a,4,7,7a-tetrahydroindane or 1,2,4,5,7,8, 8-octachloro-2,3,3a,7,7a-hexahydro-4,7-methanoindane		CHLORDANE	
Paraformaldehyde			
Pentachloronitrobenzene	PCNB		Terrachlor
Pentachlorophenol	PCP		
*Phenyl amino cadmium dilactate & phenyl mercury formamide			Puraseed
*Phenyl mercury acetate			
*Phenyl mercury acetate & ethyl mercury acetate			Gallotox Mer-Sol

<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>	<u>PROPRIETARY NAMES</u>
*Phenyl mercury ammonium acetate			Setrete
*Phenyl mercury chloride			
*Phenyl mercury dimethyldithiocarbamate			Merbam 10
*Phenyl mercury formamide			
*Phenyl mercury salicylate			
*Phenyl mercury urea			Agrox
Piperonyl butoxide or butylcarbityl-6-(propyl piperonyl) ether			
Piperonyl butoxide & pyrethrins			Pyrenone Parson's Special Grain Protectant #101
Propylene dichloride			
Pyrethrins			
Silicon dioxide		DIATOMACEOUS EARTH	
Sodium dimethyl dithiocarbamate & mercaptobenzothiazole			
*Sodium ethylmercury thiosalicylate			Thimerosol
Streptomycin			
Streptomycin & oxytetracycline			
Tetrachloroquinone or Tetrachloro-para-benzoquinone		CHLORANIL	Spergon Spergon SL

<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>	<u>PROPRIETARY NAMES</u>
Tetrachloro diphenyl ethane or dichloro diphenyl dichloroethane or 2,2-bis(p-chlorophenyl)-1,1-dichloroethane	TDE or DDD		
CHLORANIL & DDT			Spergon-DDT
*p-Tertiary octyl phenoxy ethoxy ethyl dimethyl mercuric benzyl ammonium chloride & trioxymethylene & mercuric chloride			Parson's Seed Saver Disinfectant Dust
*O,O,O,O-tetraethyl-S,S-methylene bis- phosphorodithioate		ETHION	
Tetramethyl thiuram disulfide or bis (dimethylthiocarbanyl) disulfide		THIRAM	Arasan 75 Arasan 42-S Arasan 50-Red ND Arasan SF-X
THIRAM & METHOXYCHLOR			Arasan SF-M
THIRAM & Pentachloronitrobenzene			Kloram Cotton Seed Treater 10-10
N-Trichloromethylmercapto-4-cyclohexene-1, 2-dicarboximide or N-trichloromethylthiotetra- hydrophthalimide		CAPTAN	Ortho Soybean Seed Protectant Orthocide 65 Orthocide 75
CAPTAN & DDT			Orthocide DDT 65-3
*CAPTAN & DIELDRIN			Orthocide Dieldrin 60-15 Sure Death Brand Caprin Seed Treater
CAPTAN & LINDANE			Isotox 25

<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>	<u>PROPRIETARY NAMES</u>
*Methyl mercury dicyandiamide or cyano (methymercuri) guanidine			Agrosol Panogen 15, 25, 42, or PX
*Methyl mercury dihydroxypropylmercaptide & ethyl mercury acetate			Liqui-San "10" L Liqui-San Concentrate
*Methyl mercury dihydroxypropylmercaptide & methyl mercury acetate			Ceresan L
*Methyl mercury hydroxide			
*Methyl mercury 8-hydroxyquinolate			Ortho IM Seed Protectant Metasol MMH
*Methyl mercury nitrile or methyl mercury cyanide			Chipcote 25 Chipcote 75
*Methyl mercury pentachlorophenolate			San Seed Disinfectant
1,2,4,5,6,7,8,8a-octachloro-4,7,8a-methano- 3a,4,7,7a-tetrahydroindane or 1,2,4,5,7,8, 8-octachloro-2,3,3a,7,7a-hexahydro-4,7-methanoindane		CHLORDANE	
Paraformaldehyde			
Pentachloronitrobenzene	PCNB		Terrachlor
Pentachlorophenol	PCP		
*Phenyl amino cadmium dilactate & phenyl mercury formamide			Puraseed
*Phenyl mercury acetate			
*Phenyl mercury acetate & ethyl mercury acetate			Gallotox Mer-Sol

<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>	<u>PROPRIETARY NAMES</u>
CAPTAN & HCB			Ortho Wheat Seed Protectant Orthocide Drill Box Wheat Seed Protectant
CAPTAN & MALATHION			Orthocide Malathion 75-1
CAPTAN, MALATHION, & METHOXYCHLOR			
CAPTAN & METHOXYCHLOR			Orthocide 75 Seed Protectant M
CAPTAN & PCNB			Captan Terrachlor 75-3 Captan Terrachlor ST 10-10 ST Chlortan Seed & Soil Treater
CAPTAN & Pyrethane			
CAPTAN & Streptomycin			
Zinc trichlorophenate			
Zinc ethylene bis-dithiocarbamate		ZINEB	

* Indicates mercurial or similarly toxic substance.

<u>PROPRIETARY NAMES</u>	<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>
Abol	Benezene hexachloride Gamma Isomer		LINDANE
*Agrosol	Methyl mercury dicyandiamide		
*Agrox	Phenyl mercury urea		
*Agrox C	Phenyl mercury acetate & Ethyl mercury chloride		
Anticarie	Hexachlorobenzene or Perchlorobenzene	HCB	
Arasan	Tetramethylthiuram disulfide or Bis (Dimethylthiocarbanyl) disulfide		THIRAM
Arasan 75	Same as Arasan		THIRAM
Arasan 42-S	Same as Arasan		THIRAM
Arasan 50 Red ND	Same as Arasan		THIRAM
Arasan SF-M	Tetramethylthiuram disulfide & Paramethoxyphenyl trichloroethane		THIRAM & METHOXYCHLOR
Arasan SF-X	Same as Arasan		THIRAM
Bunt-No-More	Hexachlorobenzene	HCB	
*Calomel	Mercurous chloride		
Captan Terrachlor 75-3	CAPTAN & PCNB		
Captan Terrachlor ST10-10ST	CAPTAN & PCNB		
*Ceresan Red, 2%	Ethyl mercury chloride		
*Ceresan	Ethyl mercury dihydroxypropylmercaptide & Methyl mercury acetate		

<u>PROPRIETARY NAMES</u>	<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>
*Ceresan L	Same as Ceresan		
*Ceresan M	Ethyl mercury p-toluene sulfonanilide		
*Ceresan M-DB	Same as Ceresan M		
*Chipcote 25	Methyl mercury nitrile		
*Chipcote 75	Methyl mercury nitrile		
*Chipman Liquid Wireworm Seed Dressing	HEPTACHLOR		
*Chlor-O-San	Benzene hexachloride & Ethyl mercury p-toluene sulfonanilide		
Chlortan Seed & Soil Treater	CAPTAN & PCNB		
Corona Coppercarb No. 20	Copper Carbonate		
*Delsan AD	Tetramethylthiuram disulfide & Hexachloro-6,7- epoxy octahydro-1,4-endo exo 5, 8-dimethano- naphthalene		THIRAM & DIELDRIN
Dexon	p-Dimethylaminobenzendiazo sodium sulfonate		
Douglas Grainkote	Same as Douglas Protectkote		
Douglas Protectkote	Carbon tetrachloride, malathion, piperonyl butoxide, & pyrethrins		
Douglas Tetrakote	Carbon tetrachloride, piperonyl butoxide & pyrethrins		
*Drinox	Hexachloro hexahydro-1,4-endo exo5,8-dimethano- naphthalene		ALDRIN

<u>PROPRIETARY NAMES</u>	<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>
*Drinox H-34	HEPTACHLOR		
*Drinox PX	HEPTACHLOR		
*Dual Trete	LINDANE & HCB		
*Dual Purpose Bunt-No-More	ALDRIN & HCB		
*Emmi	N-Ethylmercuri-1-2,5,6-tetrahydro-3,6-endomethano-3,4,5,6,7,7-hexachlorophthalimide		
*Fasco Peanut Seed Treater 3-2	Ethyl mercury chloride & CAPTAN		
*Gallotox	Phenyl mercury acetate		
Gam-O-San	Benzene hexachloride Gamma Isomer & Tetramethylthiuram disulfide		LINDANE & THIRAM
Isotox 25			CAPTAN & LINDANE
Isotox 50 Paste	Benzene hexachloride Gamma Isomer		LINDANE
Isotox 75	Benzene hexachloride Gamma Isomer		LINDANE
*Kilgore's Watermelon Seed Protectant	ENDRIN & THIRAM		
Kloram Cotton Seed Treater 10-10	THIRAM & PCNB		
Kop-Karb	Copper Carbonate		
Kuprite	Cuprous oxide		

<u>PROPRIETARY NAMES</u>	<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>
*Liqui-San "10" L	Methyl mercury dihydroxypropylmercaptide & ethyl mercury acetate		
*Liqui-San Concentrate	Methyl mercury dihydroxypropylmercaptide & ethyl mercury acetate		
*Mema	Methoxy ethyl mercury acetate		
*Merbam 10	Phenyl mercury dimethyl dithiocarbamate		
*Mergamma	Benzene hexachloride & phenyl mercury urea		
*Mergamma C	Benzene hexachloride & phenyl mercury acetate & ethyl mercury chloride		
*Mergamma Liquid	HEPTACHLOR & methyl mercury dicyandiamide		
*Merlane Dust	ALDRIN & methyl mercury pentachlorophenolate		
*Merlane Liquid	Heptachloro tetrahydro methanoindene & phenyl mercury 8-hydroxyquinolate		
*Mersect	ALDRIN		
*Metasol MMH	Methyl mercury 8-hydroxyquinolate		
Mission Brand Yellow Cupricite	Cuprous oxide		
No-Bunt	Hexachlorobenzene	HCB	
*Ortho Heptachlor PMA 21-1	HEPTACHLOR & phenyl mercury acetate		
*Ortho IM Seed Protectant	Methyl mercury 8-hydroxyquinolate		
*Ortho Peanut Seed Treater	Ethyl mercury chloride & CAPTAN		

PROPRIETARY NAMESCHEMICAL NAMEABBR.COINED NAME

Ortho Soybean Seed Protectant	CAPTAN	
Orthocide Malathion 75-1	CAPTAN & MALATHION	
Orthocide 65	N-trichloromethylthiotetrahydrophthalimide	CAPTAN
Orthocide 75	N-trichloromethylthiotetrahydrophthalimide	CAPTAN
Orthocide 75 Seed Protectant M	CAPTAN & METHOXYCHLOR	
Orthocide Drill Box Wheat Seed Protectant	CAPTAN & HCB	
Orthocide Wheat Seed Protectant	CAPTAN & HCB	
Orthocide DDT 65-3	CAPTAN & DDT	
* Orthocide Dieldrin 60-15	N-trichloromethylthiotetrahydrophthalimide & Hexachloro-6,7-epoxy octahydro-1, 4-endo exo-5,8-dimethanonaphthalene	CAPTAN & DIELDRIN
*Panodrin A-13	ALDRIN & methyl mercury dicyandiamide	
*Panogen 15	Methyl Mercury dicyandiamide	
*Panogen 25	Methyl mercury dicyandiamide	
*Panogen 42	Methyl Mercury dicyandiamide	
*Panogen PX	Methyl mercury dicyandiamide	
*Pearson's Seed Saver		ALDRIN
Phygon	2,3-Dichloro-1, 4-naphthoquinone	DICHLONE

<u>PROPRIETARY NAMES</u>	<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>
*Parson's Seed Saver Disinfectant Dust	p-Tertiary octyl phenoxy ethoxy ethyl dimethyl benzyl ammonium chloride & trioxymethylene & mercuric chloride		
Parson's Special Grain Protectant #101	Piperonyl butoxide & pyrethrins		
*Parson's Liquid B-59 Seed Bean Protectant	DIELDRIN & pentachlorophenol		
*Parson's Seed Saver Liquid Ready Mix	Chloromethoxypropyl mercuric acetate		
*Parson's Seed Saver Slurry Concentrate	Chloromethoxypropyl mercuric acetate		
-17- *Parson's Seed Saver Insecticide Seed Corn Protectant	DIELDRIN, graphite & sulphur		
*Puraseed	Phenylaminocadmium dilactate (or Anilino- cadmium dilactate) & Phenyl mercury formamide		
Pyrenone	Piperonyl butoxide & pyrethrins		
*Quicksan-C20	Chloromethoxypropyl mercuric acetate		
*San Seed disinfectant	Methyl mercury pentachlorophenolate		
Sanocide	Hexachlorobenzene	HCB	
*Seedrin	Hexachloro hexahydro endo exo dimethanonaphthalene		ALDRIN
*Semesan	Hydroxymercurichlorophenol		
*Semesan Bel S	Hydroxymercurinitrophenol & hydroxymercurichlorophenol		

-18-

<u>PROPRIETARY NAMES</u>	<u>CHEMICAL NAME</u>	<u>ABBR.</u>	<u>COINED NAME</u>
*Setrete	Phenyl mercury ammonium acetate		
*Setrete-Fortified	Ethyl mercury acetate & phenyl mercury acetate		
*Setrete-Mist	Ethyl mercury acetate & phenyl mercury acetate		
Smut-Go	Hexachlorobenzene	HCB	
Smut-Off	Formaldehyde & Phenol		
Spergon	Tetrachloroquinone or Tetrachloro-para-benzoquinone		CHLORANIL
Spergon SL	Same as Spergon		
Spergon DDT	CHLORANIL & DDT		
* Sure Death Brand Seed Treater			LINDANE
Sure Death Brand Caprin Seed Treater			CAPTAN & DIELDRIN
Terrachlor	Pentachloronitrobenzene	PCNB	
*Thimerosol	Sodium ethyl mercury thiosalicylate		
*Thimet	O-O-Diethyl-S-(ethylthiomethyl) phosphorodithioate		PHORATE
Wireworm Killer	Hexachloro hexahydro endo exo dimethanonaphthalene		ALDRIN
Woodbury Heptalube Seed Treater	HEPTACHLOR		

*Indicates mercurial or similarly toxic substance

COINED NAMECHEMICAL NAME

*ALDRIN

1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4-endo
exo-5,8-dimethanonaphthalene or Hexachloro hexahydro endo exo
dimethanonaphthalene

CAPTAN

N-Trichloromethylmercapto-4-cyclohexene-1,2-dicarboximide or
N-trichloromethylthiotetrahydrophthalimide

CHLORANIL

Tetrachloroquinone or Tetrachloro-para-benzoquinone

*DEMETON

O,O-Diethyl-O-S-2-ethyl mercaptoethyl thiophosphate

DICHLONE

2,3-Dichloro-1,4-naphthoquinone or Dichloro naphthoquinone

*DIELDRI

1,2,3,4,10,10-Hexachloro 6,7-epoxy-1,4,4a,5,6,7,8,8a-
octahydro-1,4-endo exo-5,8-dimethanonaphthalene or
Hexachloro epoxy octahydro endo exo dimethanonaphthalene

*ENDRIN

1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-
octahydro-1,4-endo endo-5,8-dimethanonaphthalene

*ETHION

O,O,O,O-tetraethyl-S,S-methylene bis-phosphorodithioate

*HEPTACHLOR

1,4,5,6,7,8,8-Heptachlor-3a,4,6,6a-tetrahydro-4,7-methanoindene
or Heptachloro tetrahydro methanoindene

LINDANE

Benzene Hexachloride Gamma Isomer

MALATHION

O,O-Dimethyl Dithiophosphate or Diethyl mercaptosuccinate

MANEB

Mangamous ethylene bis-(dithiocarbamate)

METHOXYCHLOR

p-Methoxyphenyl-trichloroethane or 2,2-(p-methoxyphenyl)
1,1,1-trichloroethane or 1,1,1-Trichloro-2,2-bis-(p-methoxyphenyl)
ethane

COINED NAMECHEMICAL NAME

*PARATHION	O,O-Diethyl-O-P-nitrophenyl thiophosphate
*PHORATE	O,O-Diethyl S-(ethylthiomethyl) phosphorodithioate
THIRAM	Tetramethylthiuram disulfide or Bis(dimethylthiocarbanyl) disulfide
TOXAPHENE	Chloronated Camphene
ZINEB	Zinc ethylene bis-dithiocarbamate

*Indicates mercurial or similarly toxic substance

